

[STORAGE CAPACITOR STRUCTURE]

Abstract of Disclosure

A storage capacitor structure comprising a first capacitor electrode on a substrate, a capacitor dielectric layer on the first capacitor electrode and a second capacitor electrode on the capacitor dielectric layer, a passivation layer on the second capacitor electrode and a pixel electrode layer on the passivation layer. The second capacitor electrode has an area smaller than the first capacitor electrode. The passivation layer has an opening that exposes a portion of the second capacitor electrode. The pixel electrode layer and the second capacitor electrode are electrically connected through the opening in the passivation layer.